

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/06250

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): C12Q 1/02(2006.01);C12N 1/06(2006.01);G01N 25/22(2006.01)

USPC: 435/29,259,159

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/29,259,159

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------------|
| X | BARSHICK. S.A et al. Differentiation of Microorganisms based on Pyrolysis-Ion Trap Mass Spectrometry Using Chemical Ionization Analytical Chemistry. December 1998, Vol 71. No. 3, pages 633-641. | 1, 3, 5-8 and 24 |
| X | MOWRY. C. Rapid Detection of Bacteria with Miniaturized Pyrolysis-Gas Chromatographic Analysis | 1, 3, 5-8, 18, 19 and 24-27 |
| Y | Proceedings of SPIE. February 2002, Vol. 4275, pages 83-90. | 2, 4 and 20-23 |
| Y | SNYDER. A.P. Field Research and Identification of a bioaerosol suite by pyrolysis-gas chromatography-ion mobility spectrometry Field Analytical Chemistry and Technology. September 2001, Vol 5. No. 4, pages 190-204. | 2, 4 and 20-23 |

☒ Further documents are listed in the continuation of Box C.

See patent family annex.

| * Special categories of cited documents: | |
|---|--|
| "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "E" earlier application or patent published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search

21 September 2006 (21.09.2006)

Date of mailing of the international search report

30 OCT 2006

Name and mailing address of the ISA/US

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INTERNATIONAL SEARCH REPORT

International application No.

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Continuation of B. FIELDS SEARCHED Item 3:
EAST: EPO, JPO, DERWENT, USPATFULL, USGPUBS
STN: BIOSCIENCE
PUBMED
search terms: bacteria, spores, dipicolinic, picolinic, catalyst